Comparison Of Quantities Questions Overview

Comparison Of Quantities Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Comparison Of Quantities Questions.

Comparison Of Quantities Questions

Directions: Each question below contains a statement followed by Quantity A and Quantity B. Find both to find the relationship among them. Mark your answer accordingly.

Question

Quantity A: A bus which is travelling from point A to point B which are 150 km apart, covers half of distance with 25 km/h and rest of distance with 30 km/hr and take rest of 30 minutes after travelling half of distance then what will be the total time taken by bus to reach destination? Quantity B: The distance travelled by a bus in 4 hours is 320 km. If the speed of bus is increased by 20% then what will be the time taken by bus to cover the triple of distance?

Difficulty : Moderate   **Average Time : 58 Seconds**

Options :
1. Quantity A > Quantity B

2. Quantity A Quantity B

3. Quantity B > Quantity A

4. Quantity B Quantity A

5. Quantity A = Quantity B or Relation cannot be established

Solution

The correct answer is **Option 3** i.e. **Quantity B > Quantity A**

Quantity A:

Distance between point A and B = 150 km

half of distance = 75 km

Time taken to cover 75 km at a speed of 25 km/hr = 75/25 = 3 hours

Time taken to cover 75 km at a speed of 30 km/hr = 75/30 = 2.5 hours

And we also know that bus took 0.5 hour rest in between.

Therefore, total time = 3 hr + 2.5 hr + 0.5 hr = 6 hours

Quantity B:

Distance travelled by the bus = 320 km

Time taken = 4 hours

Speed of the bus = 320/4 = 80 km/hr

Speed after 20% increment = 80 × 120/100 = 96 km/hr

Now distance need to travel = 320 × 3 = 960 km

Time take = 960/96 = 10 hours

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